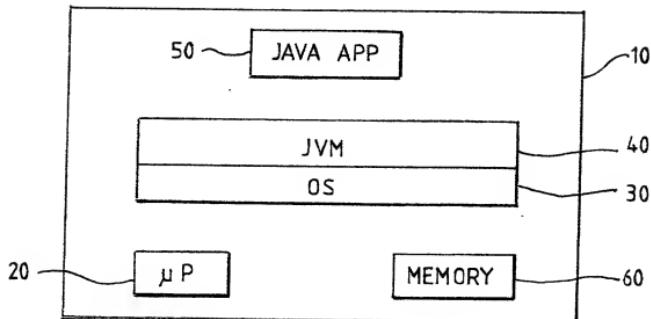
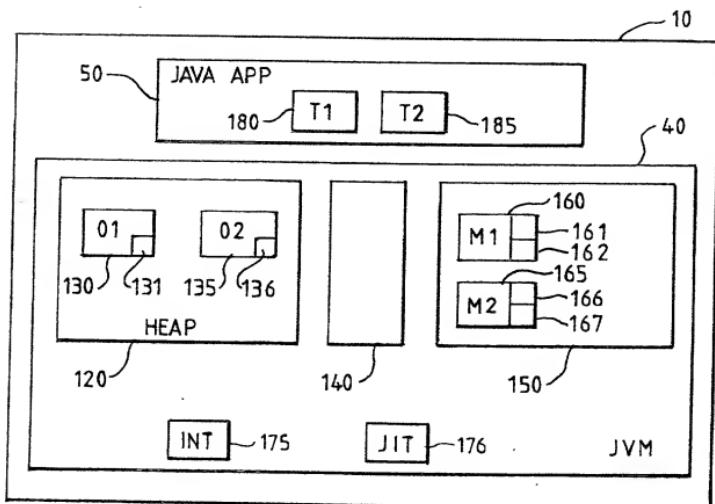


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FIG. 1FIG. 2

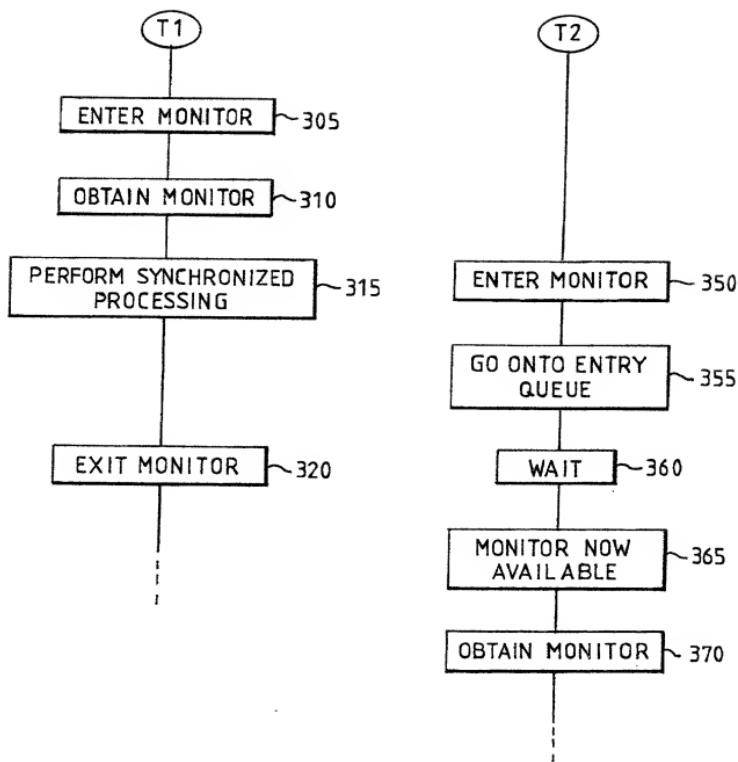
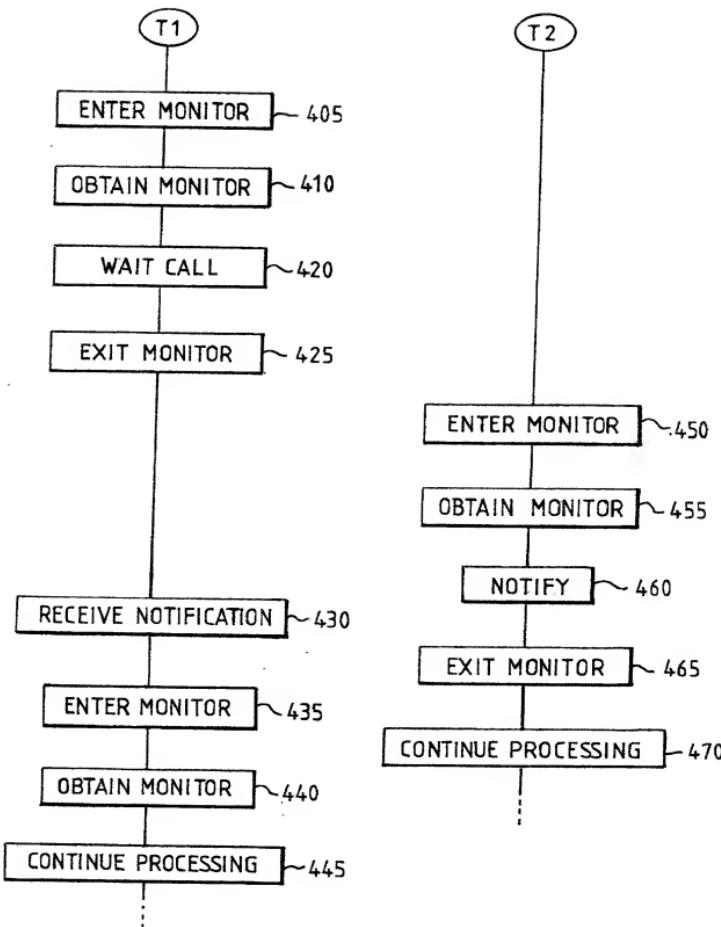
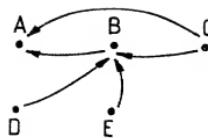


FIG. 3

PENDING - 00000000000000000000000000000000

FIG. 4

FIG. 5APROPRIETARY MATERIAL
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$$\begin{array}{c}
 \text{TO} \\
 \begin{array}{ccccc} A & B & C & D & E \end{array}
 \end{array}
 \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 \\ 1 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 \end{pmatrix} = R$$

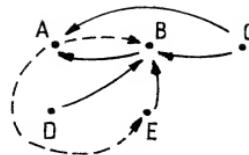
FROM

$$\begin{array}{ccccc} A & B & C & D & E \end{array}
 \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 \end{pmatrix} = R^2$$

$$\begin{array}{ccccc} A & B & C & D & E \end{array}
 \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix} = R^3$$

FIG. 5B

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FIG. 6A

$$\begin{array}{c}
 \text{TO} \\
 \begin{array}{ccccc}
 & A & B & C & D & E \\
 \hline
 A & \left(\begin{array}{ccccc} 0 & 1 & 0 & 0 & 1 \end{array} \right) \\
 B & \left(\begin{array}{ccccc} 1 & 0 & 0 & 0 & 0 \end{array} \right) \\
 C & \left(\begin{array}{ccccc} 1 & 1 & 0 & 0 & 0 \end{array} \right) \\
 D & \left(\begin{array}{ccccc} 0 & 1 & 0 & 0 & 0 \end{array} \right) \\
 E & \left(\begin{array}{ccccc} 0 & 1 & 0 & 0 & 0 \end{array} \right)
 \end{array} = R
 \end{array}$$

FROM

$$\begin{array}{ccccc}
 & A & B & C & D & E \\
 \hline
 A & \left(\begin{array}{ccccc} 1 & 1 & 0 & 0 & 0 \end{array} \right) \\
 B & \left(\begin{array}{ccccc} 0 & 1 & 0 & 0 & 1 \end{array} \right) \\
 C & \left(\begin{array}{ccccc} 1 & 1 & 0 & 0 & 1 \end{array} \right) \\
 D & \left(\begin{array}{ccccc} 1 & 0 & 0 & 0 & 0 \end{array} \right) \\
 E & \left(\begin{array}{ccccc} 1 & 0 & 0 & 0 & 0 \end{array} \right)
 \end{array} = R^2$$

$$\begin{array}{ccccc}
 & A & B & C & D & E \\
 \hline
 A & \left(\begin{array}{ccccc} 1 & 1 & 0 & 0 & 1 \end{array} \right) \\
 B & \left(\begin{array}{ccccc} 1 & 1 & 0 & 0 & 0 \end{array} \right) \\
 C & \left(\begin{array}{ccccc} 1 & 2 & 0 & 0 & 1 \end{array} \right) \\
 D & \left(\begin{array}{ccccc} 0 & 1 & 0 & 0 & 1 \end{array} \right) \\
 E & \left(\begin{array}{ccccc} 0 & 1 & 0 & 0 & 1 \end{array} \right)
 \end{array} = R^3$$

FIG. 6B

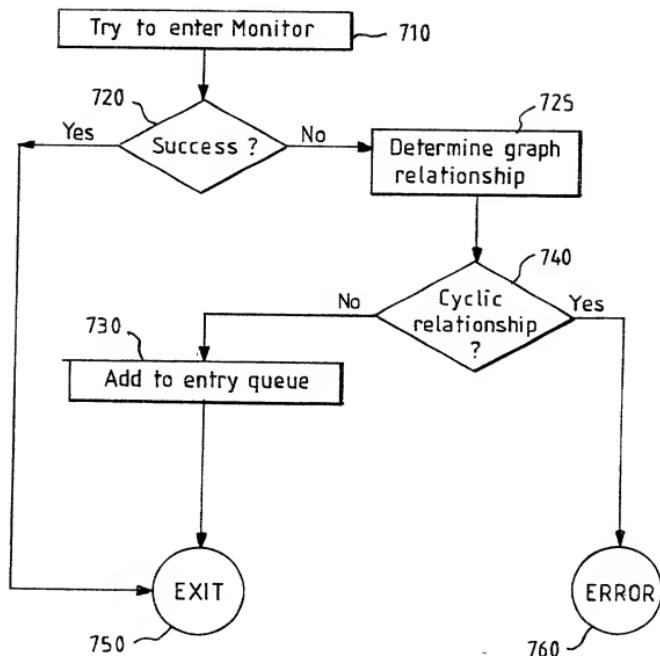
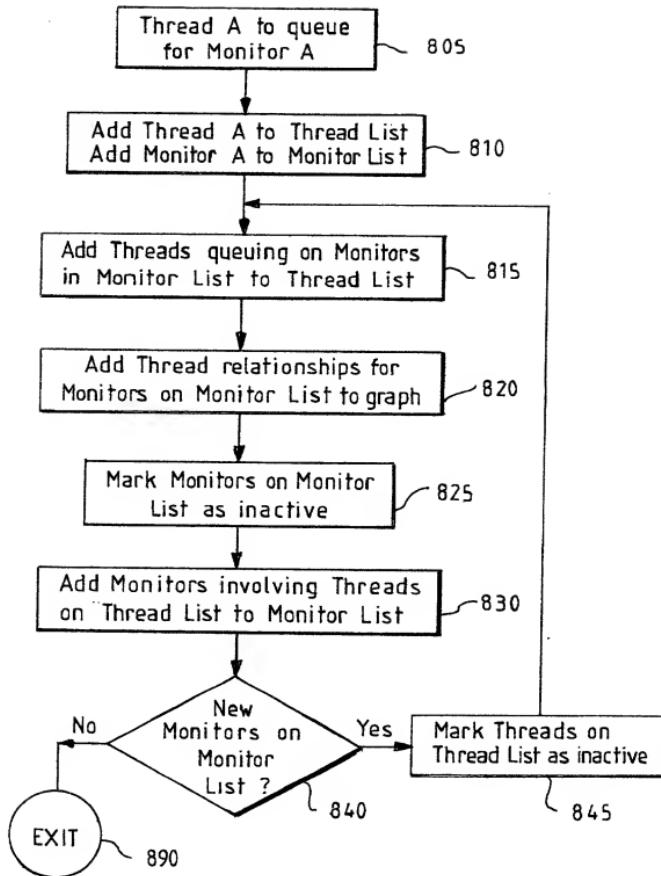


FIG. 7

SEARCHED INDEXED
SERIALIZED FILED**FIG. 8**